

CLAIMS

1. A connected staple comprising:
a number of staple members aligned in parallel; and
a tearable film,
5 wherein the number of staple members are connected by
adhering with the tearable film,
the tearable film is structured by laminating a first
polymer film and a second polymer film, and
the tearable film is provided with unpenetrated holes
10 formed over an entire face of the tearable film.
2. The connected staple according to claim 1, wherein an
average opening diameter of the unpenetrated hole is 0.5 through
100 μm and the unpenetrated holes are formed at the tearable
15 film at a density equal to or larger than 1000 pieces/ cm^2 .
3. The connected staple according to claim 1, wherein the
unpenetrated hole is structured by a hole penetrated through
or not penetrated through the first polymer film.
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4. The connected staple according to claim 3, wherein the
unpenetrated hole is formed by inserting the first polymer
film between a pair of rollers structured by a roller formed
with a diamond particle at a surface thereof and a roller formed

with urethane rubber at a surface thereof by a plurality of times by changing an inserting direction.

5. The connected staple according to claim 1, wherein the
5 unpenetrated hole comprises a hole formed by penetrating through the first polymer film and reaching the second polymer film.

6. The connected staple according to claim 5, wherein the
unpenetrated hole is formed by inserting a laminated film
10 laminated with the first polymer film and the second film to between a pair of rollers structured by a roller formed with a diamond particle at a surface thereof and a roller formed with urethane rubber at a surface thereof by a plurality of times by changing an inserting direction.

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7. The connected staple according to claim 1, wherein the first polymer film is a film comprising a polymer selected from the groups consisting of polyester, nylon and oriented polypropylene.

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8. The connected staple according to claim 1, wherein the second polymer film is a thermally melting polymer film.

9. The connected staple according to claim 1, wherein the

staple member is an unformed staple in a straight shape, and the tearable film is adhered to a center portion of a staple member which does not constitute a leg after the staple member is formed.

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10. The connected staple according to claim 1, wherein the tearable film is adhered to be arranged at a portion constituting an inner side of a crown portion of a staple in a C-shape when the staple is formed in the C-shape.

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